

Author Index

- Airoidi, C. 199
Babak, V.G. 123
Biškup, B. 185
Brečević, Lj. 301
Ceglie, A. 29
Chagelishvili, V.A. 135
Chiang, S.H. 109
Chiu, Y.C. 53
Dalas, E. 169
Dallocchio, R. 147
Das, K.P. 29
De Battisti, A. 135
Füredi-Milhofer, H. 301
Gill, R.I.S. 41
Gonçalves, A.S. 199
Graglia, R. 289
Gu, T. 159
Hayward, S. 315
Herrington, T.M. 41
Hlady, V. 301
Huang, Z. 159
Hwang, H.J. 53
Infelta, P.P. 289
Jain, T.K. 19
Japaridze, J.I. 135
Jeng, J.-F. 247, 271
Kallay, N. 185
Karaiskakis, G. 169
Kelebek, S. 219
Khutzhishvili, Z.A. 135
Koopal, L.K. 67
Koutsoukos, P.G. 95
Kunjašić, I. 185
Kurokawa, Y. 209
Lindman, B. 29
Ma, C. 1
Maitra, A. 19
Matijević, E. 185
Matsubara, F. 209
Melkus, T.G. 109
Micera, G. 147
Miller, C.A. 247, 271
Minero, C. 289
Nancollas, G.H. 95
Neumann, A.W. 85
Noll, L.A. 233, 327
Osseo-Asare, K. 9
Pelizzetti, E. 289
Penners, N.H.G. 67
Smith, R.P. 85
Spelt, J.K. 85
Strinna Erre, L. 147
Thompson, D.W. 315
Tomić, M. 185
Trasatti, S. 135
Wen, W.W. 109
Woodbury, Jr, G.W. 233
Zheng, Y. 9

Subject Index

- Adhesion,**
 Contact interaction between fluid particles in liquid media. Part 4. Theory of — of fluid particles (Babak) 123
 Particle — and removal in model systems. XI. Kinetics of attachment and detachment for hematite-glass systems (Kallay et al.) 185
- Adsorption,**
 — of aqueous benzene onto hydrophobic and hydrophilic surfaces (Noll) 327
 Immobilized 3-aminopyridine on silica: — of some metal(II) chlorides in non-aqueous solutions (Airoidi, Gonçalves) 199
 Mixed — of nonionic and cationic surfactants on silica gel and methylated silica gel (Huang, Gu) 159
- Aerosol OT,**
 Study of the vibrational characteristics of — by laser Raman spectroscopy (Maitra and Jain) 19
- Aluminium hydroxide,**
 Metal complex formation on the surface of amorphous —. Part. I. Copper(II) complexes of glutamic and aspartic acids (Micera et al.) 147
- 3-Aminopyridine,**
 Immobilized — on silica: adsorption of some metal(II) chlorides in non-aqueous solutions (Airoidi, Gonçalves) 199
- Aspartic,**
 Metal complex formation on the surface of amorphous aluminium hydroxide. Part I. Copper(II) complexes of glutamic and — acids (Micera et al.) 147
- Attachment,**
 Particle adhesion and removal in model systems. XI. Kinetics of — and detachment for hematite-glass systems (Kallay et al.) 185
- Attraction,**
 — and repulsion of solid particles by solidification fronts: Evaluation of predictions of the Fowkes equation (Spelt et al.) 85
- Benzene,**
 Adsorption of aqueous — onto hydrophobic and hydrophilic surfaces (Noll) 327
- Calcium phosphate,**
 Influence of gelatin on the precipitation of amorphous — (Brečević et al.) 301
- Carboxymethyl ethoxylates,**
 The use of — enhanced oil recovery (Chiu, Hwang) 53
- Charge density,**
 The flocculation of kaolin suspensions using polyethylenimine and cationic polyacrylamides of the same molar mass but different — (Gill, Herrington) 41
- Charge transfer complexes,**
 Ground state — in microemulsions (Infelta et al.) 289
- Coal,**
 An experimental study of heat of immersion of — (Melkus et al.) 109
- Collagen,**
 The mineralization of — in vitro (Koutsoukos, Nancollas) 95
- Contact interaction,**
 — between fluid particles in liquid media. Part 4. Theory of adhesion of fluid particles (Babak) 123
- Copper(II) complexes,**
 Metal complex formation on the surface of amorphous aluminium hydroxide. Part I. — of glutamic and aspartic acids (Micera et al.) 147
- Detachment,**
 Particle adhesion and removal in model systems. XI. Kinetics of attachment and — for hematite-glass systems (Kallay et al.) 185
- Dinonylnaphthalene sulfonic acid,**
 The solubilization of an aliphatic hydroxyoxime by — reversed micelles (Osseo-Asare and Zheng) 9
- Electron microscope study,**
 An — of the surface electrical properties of silicate clay crystals (Thompson, Hayward) 315
- Enhanced oil recovery,**
 The use of carboxymethyl ethoxylates in — (Chiu, Hwang) 53
- Flocculation,**
 The — of kaolin suspensions using polyethylenimine and cationic polyacrylamides of the same molar mass but different

- charge density (Gill, Herrington) 41
- Flow calorimetry,
Heats of adsorption from — : Relationships between heats measured by different methods (Woodbury et al.) 233
- Fluid particles,
Contact interaction between — in liquid media. Part 4. Theory of adhesion of fluid particles (Babak) 123
- Fowkes equation,
Attraction and repulsion of solid particles by solidification fronts: Evaluation of predictions of the — (Spelt et al.) 85
- Gelatin,
Influence of — on the precipitation of amorphous calcium phosphate (Brečević et al.) 301
- Glutamic,
Metal complex formation on the surface of amorphous aluminium hydroxide. Part I. Copper(II) complexes of — and aspartic acids (Micera et al.) 147
- Glycols,
Interfacial behaviour of tetraalkylammonium ions at the Hg electrode in — (Japaridze et al.) 135
- Gravity,
Theory of microemulsions with spherical drops. II. Effect of — (Jeng, Miller) 271
- Gravity-free systems,
Theory of microemulsions with spherical drops. I. Phase diagrams and interfacial tensions in — (Jeng, Miller) 247
- Heat of immersion,
An experimental study of — of coal (Melkus et al.) 109
- Heats of adsorption,
— from flow calorimetry: Relationships between heats measured by different methods (Woodbury et al.) 233
- Hematite,
The effect of particle size on the stability of — (α -Fe₂O₃) hydrosols (Penners, Koopal) 67
- Hematite-glass,
Particle adhesion and removal in model systems. XI. Kinetics of attachment and detachment for — systems (Kallay et al.) 185
- Hg electrode,
Interfacial behaviour of tetraalkylammonium ions at the — in glycols (Japaridze et al.) 135
- Hydrophobic and hydrophilic,
Adsorption of aqueous benzene onto — surfaces (Noll) 327
- Hydroxyoxime,
The solubilization of an aliphatic — by dinonylnaphthalene sulfonic acid reversed micelles (Osseo-Asare and Zheng) 9
- Inorganic colloidal materials,
Characterization of — by steric field-flow fractionation. I. Determination of particle size distribution (Dalas, Karaiskakis) 169
- Interfacial behaviour,
— of tetraalkylammonium ions at the Hg electrode in glycols (Japaridze et al.) 135
- Kaolin,
The flocculation of — suspensions using polyethylenimine and cationic polyacrylamides of the same molar mass but different charge density (Gill, Herrington) 41
- Kinetics,
Particle adhesion and removal in model systems. XI. — of attachment and detachment for hematite-glass systems (Kallay et al.) 185
- Lattice gas model,
Studies of a monolayer of rod-like molecules by a — (Matsubara, Kurokawa) 209
- Liquid media,
Contact interaction between fluid particles in —. Part 4. Theory of adhesion of fluid particles (Babak) 123
- Metal(II) chlorides,
Immobilized 3-aminopyridine on silica: adsorption of some — in non-aqueous solutions (Airoidi, Gonçalves) 199
- Metal complex,
— formation on the surface of amorphous aluminium hydroxide. Part I. Copper(II) complexes of glutamic and aspartic acids (Micera et al.) 147
- Methanol solutions,
Wetting behaviour and related properties of aqueous — (Kelebek) 219
- Microemulsion structure,
— in four-component systems for different surfactants (Ceglie et al.) 29
- Microemulsions,
Ground state charge transfer complexes in — (Infelta et al.) 289

- Theory of — with spherical drops. I. Phase diagrams and interfacial tensions in gravity-free systems (Jeng, Miller) 247
 Theory of — with spherical drops. II. Effect of gravity (Jeng, Miller) 271
- Mineralization,
 The — of collagen in vitro (Koutsoukos, Nancollas) 95
- Particle size,
 The effect of — on the stability of haematite ($\alpha\text{-Fe}_2\text{O}_3$) hydrosols (Penners, Koopal) 67
- Particle size distribution,
 Characterization of inorganic colloidal materials by steric field-flow fractionation. I. Determination of — (Dalas, Karaiskakis) 169
- Phase diagrams,
 Theory of microemulsions with spherical drops. I. — and interfacial tensions in gravity-free systems (Jeng, Miller) 247
- Polyacrylamides,
 The flocculation of kaolin suspensions using polyethylenimine and cationic — of the same molar mass but different charge density (Gill, Herrington) 41
- Polyethylenimine,
 The flocculation of kaolin suspensions using — and cationic polyacrylamides of the same molar mass but different charge density (Gill, Herrington) 41
- Polystyrene latices,
 The effect of Triton X-100 on the stability of — (Ma) 1
- Precipitation,
 Influence of gelatin on the — of amorphous calcium phosphate (Brečević et al.) 301
- Raman spectroscopy,
 Study of the vibrational characteristics of Aerosol OT by laser — (Maitra and Jain) 19
- Repulsion,
 Attraction and — of solid particles by solidification fronts: Evaluation of predictions of the Fowkes equation (Spelt et al.) 85
- Rod-like molecules,
 Studies of a monolayer of — by a lattice gas model (Matsubara, Kurokawa) 209
- Silica,
 Immobilized 3-aminopyridine on — : adsorption of some metal(II) chlorides in non-aqueous solutions (Airoldi, Gonçalves) 199
- Silica gel,
 Mixed adsorption of nonionic and cationic surfactants on — and methylated silica gel (Huang, Gu) 159
- Silicate clay,
 An electron microscope study of the surface electrical properties of — crystals (Thompson, Hayward) 315
- Solidification fronts,
 Attraction and repulsion of solid particles by — : Evaluation of predictions of the Fowkes equation (Spelt et al.) 85
- Solubilization,
 The — of an aliphatic hydroxyoxime by dinonylnaphthalene sulfonic acid reversed micelles (Osseo-Asare and Zheng) 9
- Spherical drops,
 Theory of microemulsions with —. I. Phase diagrams and interfacial tensions in gravity-free systems (Jeng, Miller) 247
 Theory of microemulsions with —. II. Effect of gravity (Jeng, Miller) 271
- Stability,
 the effect of particle size on the — of haematite ($\alpha\text{-Fe}_2\text{O}_3$) hydrosols (Penners, Koopal) 67
 The effect of Triton X-100 on the — of polystyrene latices (Ma) 1
- Steric field-flow,
 Characterization of inorganic colloidal materials by — fractionation. I. Determination of particle size distribution (Dalas, Karaiskakis) 169
- Surface electrical properties,
 An electron microscope study of the — of silicate clay crystals (Thompson, Hayward) 315
- Tetraalkylammonium,
 Interfacial behaviour of — ions at the Hg electrode in glycols (Japaridze et al.) 135
- Triton X-100,
 The effect of — on the stability of polystyrene latices (Ma) 1
- Wetting behaviour,
 — and related properties of aqueous methanol solutions (Kelebek) 219

